

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An alarm system (10)-intended to trigger an alarm signal upon deviation from at least two environment-dependent references predetermined for a specific environment, which alarm system (10)-comprises at least one portable unit (12) intended to be placed in said environment, which unit (12)-has a size not greater than a mobile telephone, which unit-(12), each comprising a sensor system-(14), each comprising an accelerometer/silicon crystal, microphone and temperature sensor, wherein at least one of said accelerometer/silicon crystal, microphone and temperature sensor is/are triaxial, a processor member (16)-connected to the sensor system (14) and adapted for the comparison of signals received from the sensor system (14)-and said predetermined environment-dependent reference/references, a communication member (18)-of a unique identity connected to the processor member (16)-and adapted for wireless communication upon, for instance, the triggering of an alarm signal, and a positioning member (20)-connected to the processor member (16)-and adapted to indicate, at least upon the triggering of an alarm signal, the position of said unit-(12), which alarm system (10)-furthermore comprises a memory member (24)-connected to the processor member (16)-via a distributed computer network (22)-and adapted for the storage of said predetermined reference/references wherein the memory member (24) furthermore is adapted for dynamic and interactive update and development for different

purposes by manoeuvring via fixed and/or mobile telephony and/or radio and/or computer unit.

2. (Currently Amended) An alarm system ~~(10)~~ according to claim 1, **characterized in** that each sensor system ~~(14)~~ furthermore comprises at least one of the following sensors: frequency transmitters, strain gauges, camera, UV/photocells, electronic noses, anemometers, infrared sensors, gamma transducers, laser sensors, inductive sensors, flow sensors, level transducers, tension gauges and pressure gauges.

3. (Currently Amended) An alarm system ~~(10)~~ according to ~~any one of~~ claimsclaim 1 ~~or~~ 2, **characterized in** that each positioning member ~~(20)~~ consists of at least one of the following units: GPS unit, GPRS unit and GSM unit.

4. (Currently Amended) An alarm system ~~(10)~~ according to ~~any one of~~ claimsclaim 1–3, **characterized in** that said predetermined reference may consist of a sound/vibration image specific to each portable unit ~~(12)~~.

5. (Currently Amended) An alarm system ~~(10)~~ according to ~~any one of~~ claimsclaim 1 ~~[[–4]]~~, **characterized in** that each unit ~~(12)~~ comprises at least one basic module ~~(12₁)~~, as well as a protecting cover ~~(12_n)~~.

6. (Currently Amended) An alarm system ~~(10)~~ according to ~~any one of~~ claimsclaim 1–5, **characterized in** that the memory member ~~(24)~~ is adapted for continuous storage of comparisons and/or continuous storage of deviations.
7. (Currently Amended) An alarm system ~~(10)~~ according to ~~any one of~~ claimsclaim 1–6, **characterized in** that the memory member ~~(24)~~ consists of a database ~~(24)~~.
8. (Currently Amended) A method~~Method~~ for triggering an alarm signal by means of an alarm system ~~(10)~~ according to ~~any one of~~ claimsclaim 1–7, which method comprises the steps of:
- by means of the sensor system ~~(14)~~ detecting different states comprising vibrations, relative position changes, accelerations and temperature, wherein said accelerations at least one of said states is/are detected against three axes;
 - comparing the signals received from the sensor system ~~(14)~~ and at least two environment-dependent references predetermined for a specific environment and stored in the memory member ~~(24)~~;
 - upon deviation from said environment-dependent reference/references, triggering an alarm signal; and
 - according to instantaneous control or predetermined configuration, by means of the communication member ~~(18)~~ of a unique identity, transmitting a message to at least one receiver; and

- according to instantaneous control or predetermined configuration, by means of the positioning member ~~(20)~~, determining the position of the unit ~~(12)~~;
- transmitting the position to the receiver/receivers; and
- to dynamically and interactively update and develop said memory member ~~(24)~~ for different purposes by manoeuvring via fixed and/or mobile telephony and/or radio and/or computer unit.

9. (Currently Amended) The method~~Method~~ according to claim 8, **characterized in** that the detection step comprises:

- the detection of the different states by means of an accelerometer/silicon crystal, microphone and temperature sensor.

10. (Currently Amended) The method~~Method~~ according to claim 9, **characterized in** that the detection step furthermore comprises:

- the further detection of different states by means of the following sensors:
frequency transmitters, strain gauges, camera, UV/photocells, electronic noses, anemometers, infrared sensors, gamma transducers, laser sensors, inductive sensors, flow sensors, level transducers, tension gauges and pressure gauges.

11. (Currently Amended) ~~Method~~The method according to claim 8-10, **characterized in** that the positioning step comprises:

- the determination of the position by means of at least one of the following units:
GPS unit, GPRS unit and GSM unit.

12. (Currently Amended) ~~Method~~ The method according to any one of claims

~~8-11~~, **characterized in** that the method furthermore comprises the step of:

- registering and in the memory member ~~(24)~~ storing the reference/references that may consist of a sound/vibration image specific to each unit ~~(12)~~.

13. (Currently Amended) At least one computer software product ~~(102₁, ..., 102_n)~~

directly downloadable in the internal memory of at least one digital computer ~~(100₁, ...,~~

~~100_n)~~, comprising software code portions for executing the steps according to claim 8

when said at least one product ~~(102₁, ..., 102_n)~~ is run on said at least one computer

~~(100₁, ..., 100_n)~~.